

Attorney Docket # 5367-146PUS

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Dominik EISERT et al.

Serial No.: 10/523,551 ✓

Filed: January 31, 2005

For: GaN-Based Radiation-Emitting Thin-Layered
Semiconductor Component

Examiner:

Group Art:

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Thomas Langer

Name of applicant, assignee or Registered Representative



Signature

November 8, 2005

Date of Signature

Commissioner for Patents
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Alexandria, VA 22313-1450

SIR:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed form PTO/SB/08A. Copies of the non-U.S. listed documents are also enclosed.

USP 6,649,939 corresponds to DE 199 43 406.

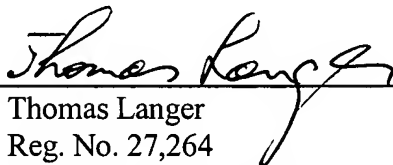
USP 6,229,160 corresponds to DE 198 07 758.

USP 6,111,272 corresponds to EP 0 905 797.

In accordance with 37 C.F.R. §§1.97(g) and (h), the filing of this Information Disclosure Statement should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56(b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant(s) reserve(s) the right to prove that the date of publication is in fact different.

It is respectfully requested that the above information be considered by the Examiner and that the copy of the enclosed form PTO/SB/08A be returned indicating that such information has been considered.

Respectfully submitted,
COHEN, PONTANI, LIEBERMAN & PAVANE

By 
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Dated: November 8, 2005

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Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/523,551		
		Filing Date	January 31, 2005		
		First Named Inventor	Dominik EISERT		
		Art Unit			
		Examiner Name			
Sheet	1	of	2	Attorney Docket Number	5367-146PUS

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind-Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,229,160 B1	05/08/2001	Krames et al.	
		US-6,111,272	08/29/2000	Heinen	
		US-6,649,939 B1	11/18/2003	Wirth	
		US-6,445,010 B1	09/03/2002	Ebeling	
		US-5,200,668	04/06/1993	Ohashi et al.	
		US-5,633,527	05/27/1997	Lear	
		US-2003/0141496	07/31/2003	Illek et al.	
		US-2002/0017652	02/14/2002	Illek et al.	
		US-6,730,939 B2	05/04/2004	Eisert et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind-Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		DE 198 07 758 A1	12/10/1998	Krames et al.		
		DE 199 11 717 A1	09/28/2000	Späth et al.		Abstract
		DE 100 20 464 A1	11/08/2001	Härle et al.		Abstract
		DE 199 43 406 C2	07/19/2001	Wirth		Abstract
		JP 8-288543	11/01/1996	Takahashi		Abstract
		JP 2001-168387	06/22/2001	Shibata et al.		Abstract
		JP 2000-196152	07/14/2000	Okazaki et al.		Abstract
		EP 0 905 797 A2	08/27/1998	Heinen		Abstract
		EP 1 263 058 A2	05/29/2002	Suehiro et al.		Abstract
		EP 1 271 665 A2	06/25/2002	Yoshitake et al.		
		WO 01/61765 A1	08/23/2001	Eisert et al.		Abstract
		WO 02/41406 A1	05/23/2002	Eliashevich et al.		
		WO 96/37000	11/21/1996	Heinen		Abstract
		WO 96/26550	08/29/1996	Fischer et al.		Abstract
		WO 00/60648	10/12/2000	Heinen		Abstract
		WO 90/05998	05/31/1990	Ohashi et al.		Abstract
		WO 99/14797	03/25/1999	Lo		Abstract

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
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		Art Unit	
Examiner Name			
Sheet 2 of 2	Attorney Docket Number	5367-146PUS	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1.	I. Schnitzner et al., "30% External Quantum Efficiency from Surface Textured LEDs", Applied Physics Letters, Oct. 1993, Vol. 63, Pgs. 2174-2176.	
	2.	R. Windisch et al., "High-Efficiency Surface-Textured LEDs", Compound Semiconductor 6 (4) 2000, IMEC, Leuven, Belgium, pp. 55-58	
	3.	J. Cao et al., "Improved quality GaN by growth on compliant silicon-on-insulator substrates using metalorganic chemical vapor deposition", Applied Physics Letters, 83(7) 1998 pgs. 3829-3834 (Univ. of Michigan)	
	4.	A.J. Steckel, "Growth and Characterization of GaN Thin Films on SiC SOI Substrates", Journal of Electron. Mat. 26(3) 1997, pgs. 217-223	
	5.	W.S. Wong, "Integration of GaN Thin Films with Dissimilar Substrate Materials by Pd-In Metal bonding and laser Lift-off", Journal of Electron. Mat. 28(12) 1999, pgs. 1409-1413 (Univ. of California, Berkeley)	
	6.	Y.K. Song, "Resonant-cavity InGaN quantum-well blue light-emitting diodes", Applied Physics Letters 77(12) 2000, pgs. 1744-1746 (Brown University, Agilent)	

Examiner Signature		Date Considered	
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